

Project Management Tools for Project Success

21st Century Communication in CPM

SUZANNE PHILLIPS, P.E.

STORM KAZMIERCZAK, P.E.

CATALINA CHACON, P.E.

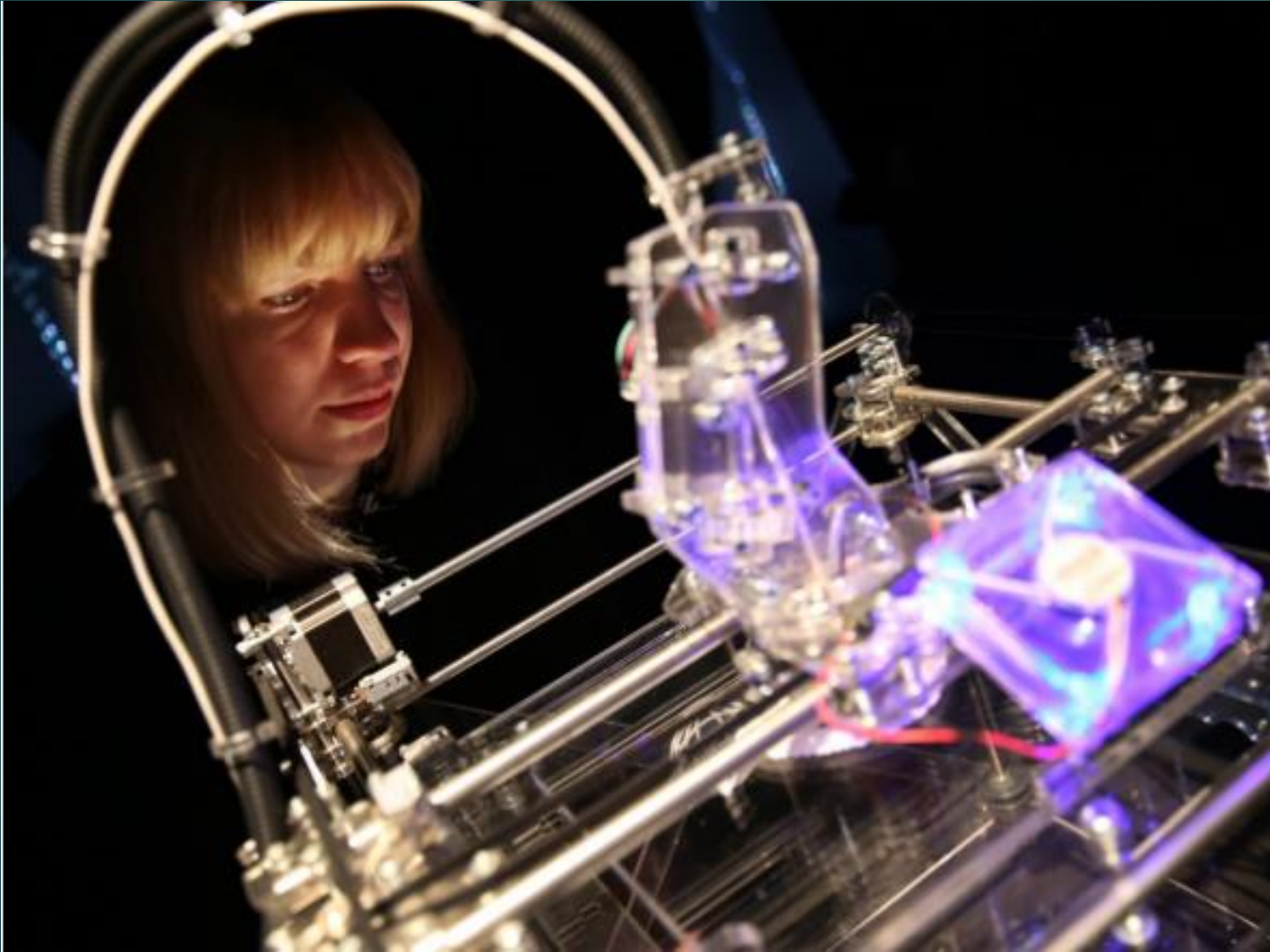
Agenda

- ▶ Why is communication so important
- ▶ Modes of communication through generations
- ▶ Evolution of information transfer in Consultant Project Management
- ▶ Tools for Success

Why is Communication Important?

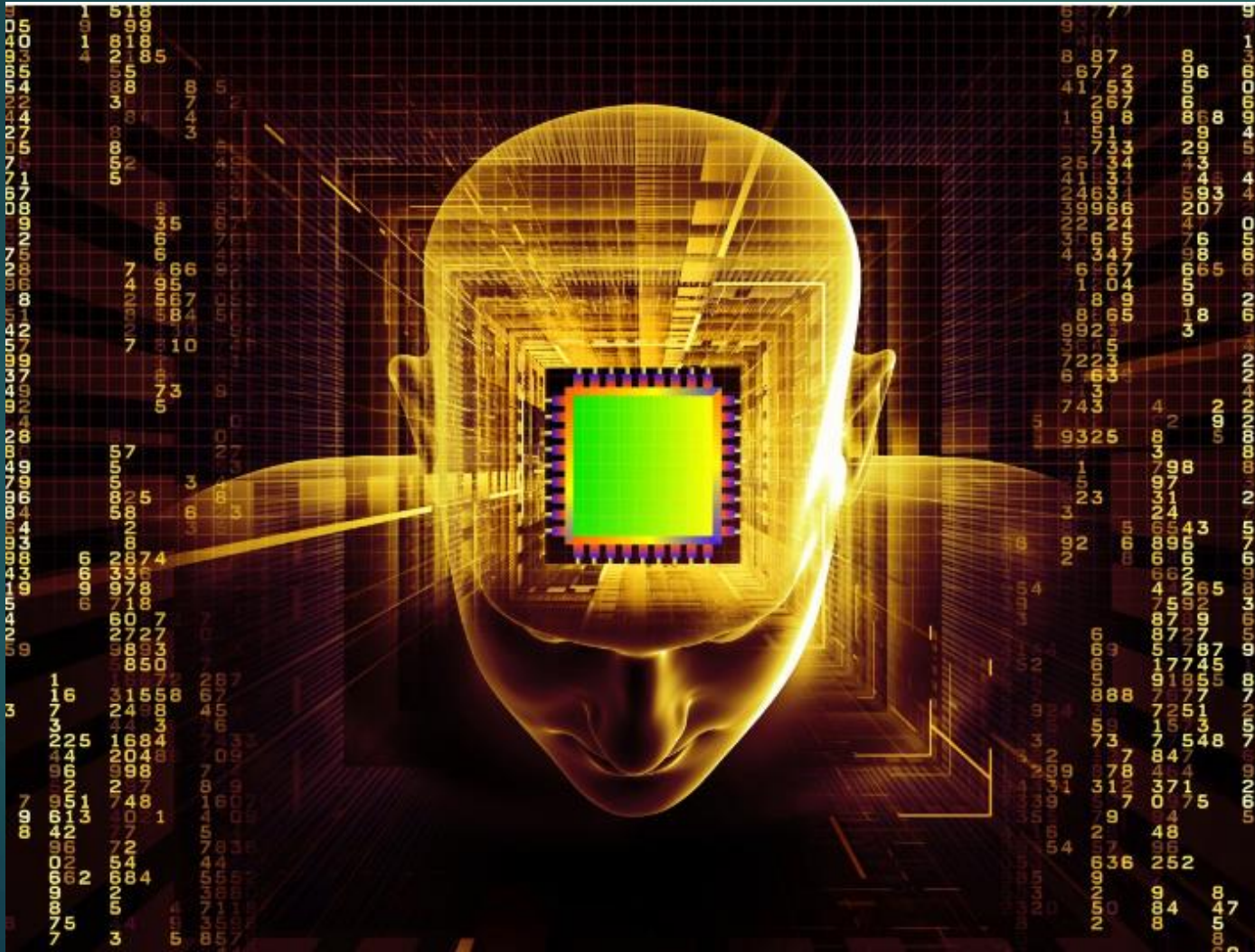


By 2025 3D Printing Everything



Clothing
Human Organs
House Modules
-Dr. Ray Kurzweil

By 2030 Nanobots



**By the 2030s,
'nanobots' will
plug our brains
straight into the
cloud.** -Dr. Ray
Kurzweil

By 2045 - Singularity



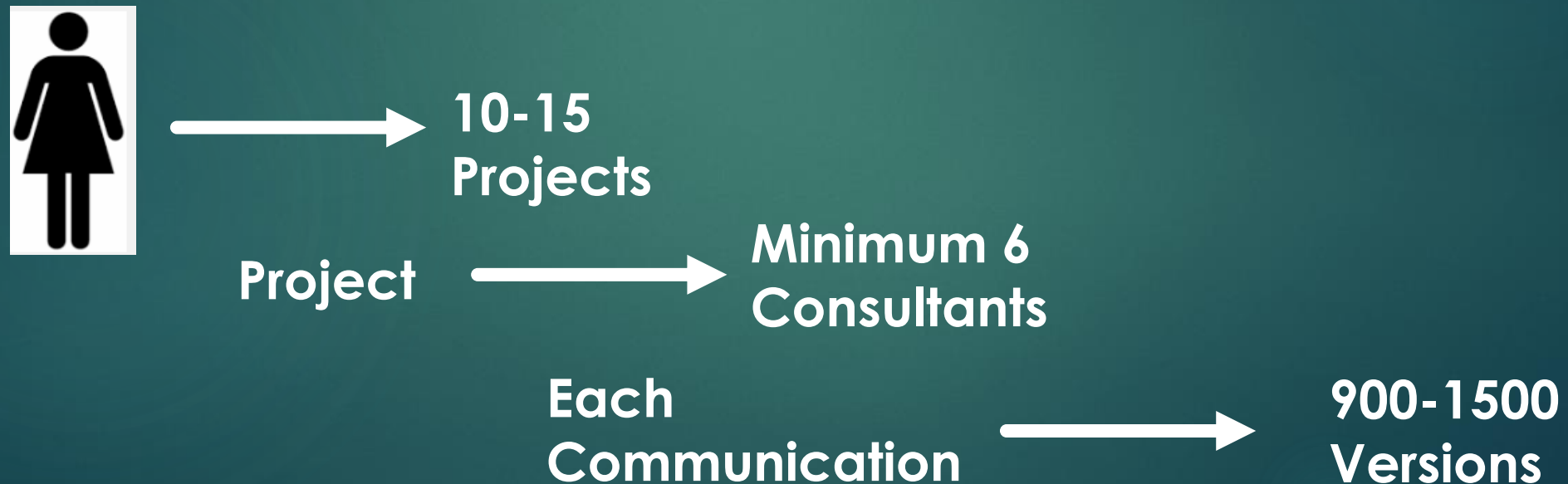
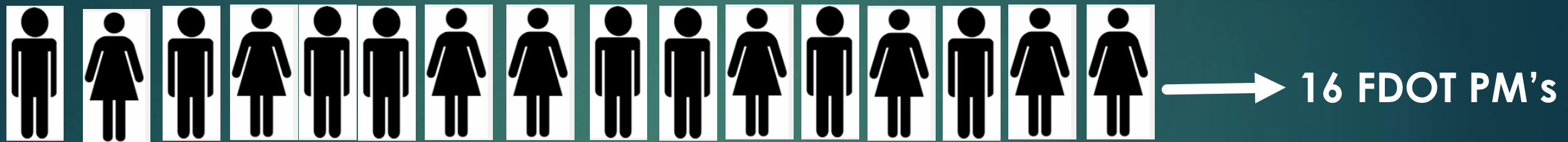
“the moment when biological evolution's rate of growth is superceded by artificial intelligence. ...the computational power of artificial intelligence will be a *billion times* that of human intelligence.

-Dr. Ray Kurzweil

Today's Reality –How do we prepare ourselves for the future

- ▶ Dealing with Constant Change In
 - ▶ Personnel
 - ▶ Policies & Procedures
 - ▶ Technology

District 5 Consultant Project Management



How?

- ▶ How do We Communicate in a
 - ▶ Timely
 - ▶ Meaningful
 - ▶ Consistent
 - ▶ Predictable
 - ▶ Repeatable
- ▶ How do We Communicate to New Businesses
- ▶ How do We Communicate to Multiple Generations.



https://www.youtube.com/watch?v=DYu_bGbZiiQ

Modes of Communication through Generations



BUILDERS

BABY BOOMERS

GEN Xers

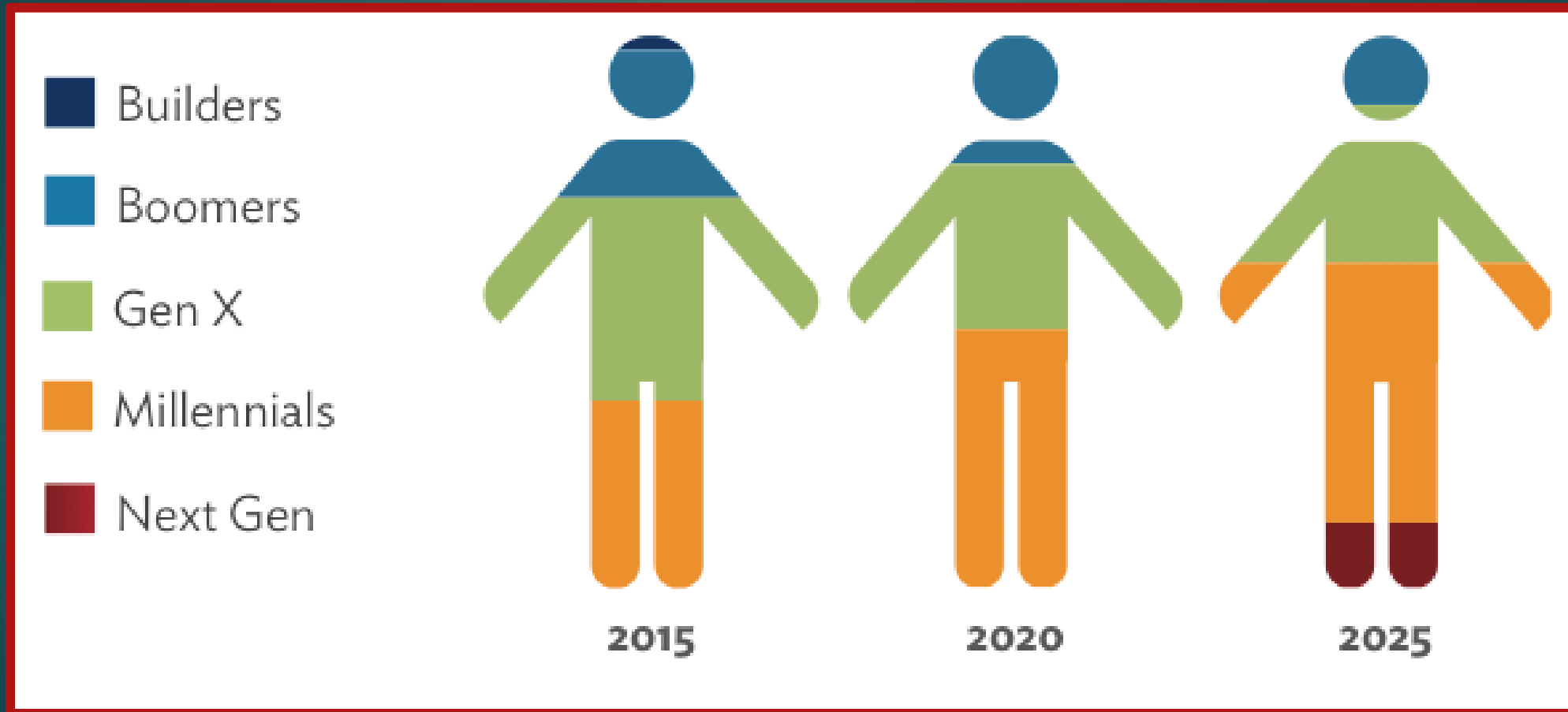
MILLENNIALS

What's a Millennial?

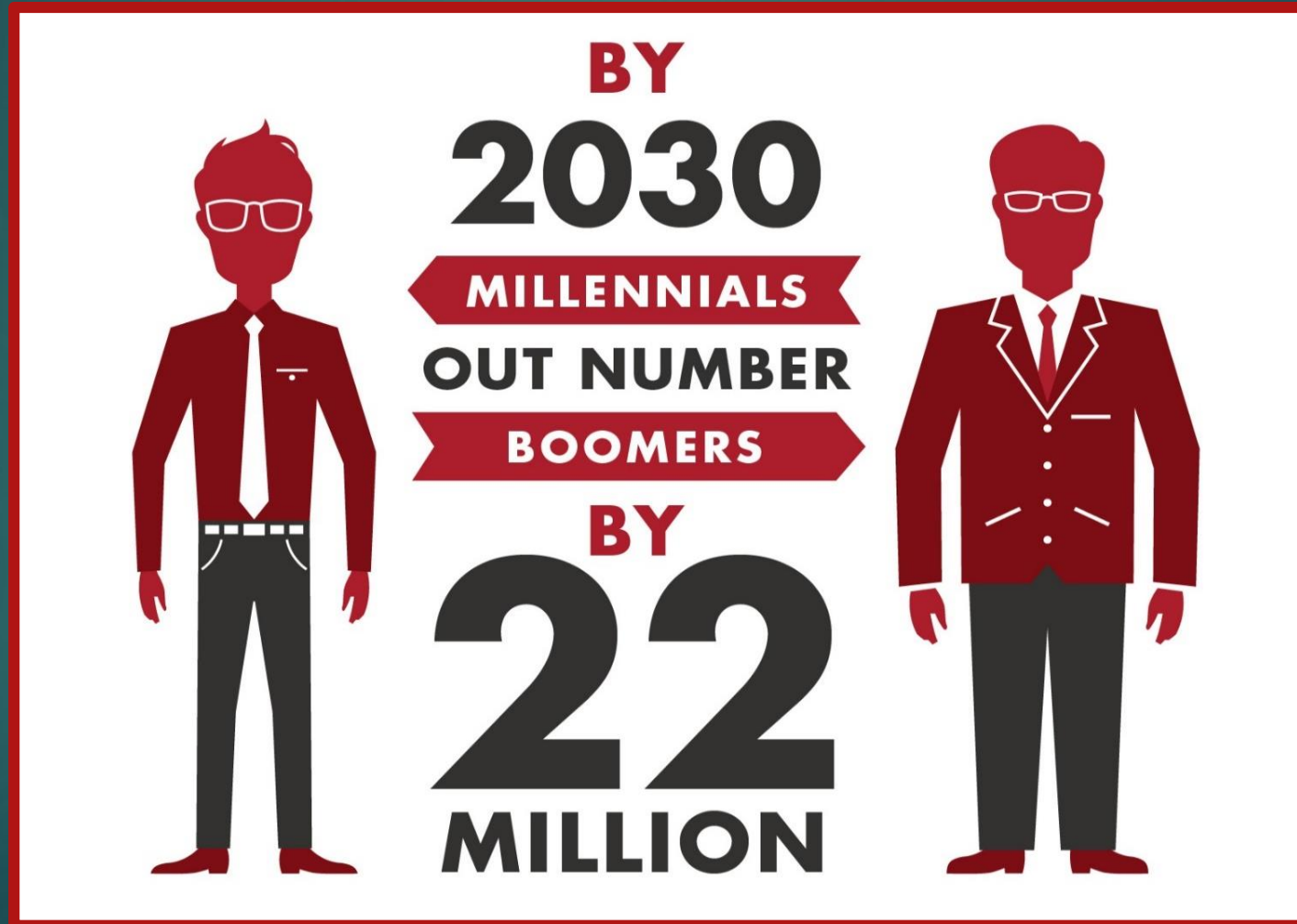


**THEY
WALK
AMONG US**

Workforce by generations



Workforce by generations



Working with Millennials

- ▶ WHAT MANAGERS/ EMPLOYERS CAN DO TO ENGAGE WITH THE NEWEST GENERATION OF WORKERS AND RETAIN THEM TO ADD VALUE TO THE BUSINESS
 - ▶ Understand what their priorities are
 - ▶ Recognize how they can be communicated with
 - ▶ Provide the environment and culture to help them enjoy work



What the past looked like in CPM

- ▶ Printed Books & Manuals
- ▶ Bookshelves
- ▶ Schedule? What Schedule?
- ▶ Snail Mail/Facsimile
- ▶ File Cabinets
- ▶ Physical Document Management
- ▶ Face to face meetings
- ▶ Plan Production/24X36 plans/Submittals
- ▶ Plan review comments: Hard Copies by mail
- ▶ Pedds Delivery
- ▶ Bid Questions: Phone Calls and Fax
- ▶ Verbal Communication

What the present looks like in CPM

THEN

- ▶ Printed Books & Manuals
- ▶ Bookshelves
- ▶ Schedules. What Schedule?!
- ▶ Snail Mail/Facsimile
- ▶ File Cabinets
- ▶ Physical Document Management
- ▶ Face to Face meetings

NOW

- ▶ Online Manuals / Internet
- ▶ Electronic Filing Structure
- ▶ Primavera/Templates/Schedule Dictionary
- ▶ Email / File Transfer Application
- ▶ Tablets/Laptops/Mobile Technology/Servers
- ▶ Electronic File Maintenance/EDMS
- ▶ SmartBoard/Go To/Skype

What the present looks like in CPM

THEN

- ▶ Plan Production/24X36 plans/Submittals
- ▶ Plan Review Comments: Hard Copies by Mail
- ▶ Pedds Delivery
- ▶ Bid Questions: Phone Calls and Fax
- ▶ Verbal Communication

NOW

- ▶ 11x17 plans → Electronic Plans → KMZ → 3D Modeling
- ▶ ERC
- ▶ Digital Delivery
- ▶ New Bid Q&A Website and Process
- ▶ D5 CPM Website and Tools

D5 CPM Intranet Website



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DISTRICT 5
ONE MISSION. ONE TEAM. ONE VOICE

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719 South Woodland Blvd.
Deland, Florida 32720
Phone: 386-943-5321

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Schedule Templates
Delegation of Authority

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Todd F. Long, P.E.
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Consultant Project Management

Mission Statement
"To effectively lead teams and facilitate stakeholder involvement to produce quality, economical, and beneficial contract plans packages to fulfill Work Program and District commitments."

Control Panel

Consultant Acquisition Plan

Project Suite

Construction Observation Database

Organization Chart

Schedule Dictionary

CPM Internet

KMZ - It

Pre-Spec To Letting

D5 Bid Questions

D5 Quality Forum

SMART Board Guidelines & Troubleshoot

Public Meeting Guidelines

Employee Recognition

Cross Reference List

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Angela Bosco
Administrative Assistant
386-943-5321

Statewide DCPME's
-List of Consultant Project Management Engineers

Computer Applications
-Resolution Tracking System
-OIS Enterprise Applications

Misc Information
-FDOT Acronym List
-Status of Permits

Project Photos
-Click here for the photo gallery
-COD
(Construction Observation Database)
Web Author: Cindy Feior
386-943-5221
Cindy Feior@dot.state.fl.us

Consultant Acquisition Plan (CAP)



District Five Consultant Project Management Acquisition Plan

Last Updated: 05/24/2016  [PDF](#)

NOTE: MARKETING MEETINGS ARE TO BE SCHEDULED DURING BLOCKED TIMES AS NOTED IN COLUMN

*** For quickest response and to better serve you, please send ALL MARKETING MEETING REQUESTS to: [CPM Marketing Request](#) ***

Marketing Meeting dates which are red and times have a strike through indicates these dates/times are already booked for a consulting firm to meet with PM and TRC.

#	FPN	DESCRIPTION	TRC MEMBERS	FILES	EST. AMOUNT	WORK TYPE	PHASE	COUNTY	PROJECT MANAGER	WORK MIX	ADVERTISE DATE	SELECTION	NOTES/ MARKETING MEETINGS
D5 2016 CONSULTANT ACQUISITION PLAN													
1	434931-1	SR 436 @ CR 427 / Extend Existing Left Turn Lane and Add Second	Beata Stys- Palasz Ferrell Hickson Neil Kenis	9/14/2015	\$928,000	3.1	32	Seminole	Todd Alexander	Resurfacing	10/26/2015	Interview	Advertise with contract for 434412-1 MARKETING MEETINGS COMPLETED

Consultant Acquisition Plan (CAP)

#	FPN	DESCRIPTION	TRC MEMBERS	FILES	EST. AMOUNT	WORK TYPE	PHASE	COUNTY	PROJECT MANAGER	WORK MIX	ADVERTISE DATE	SELECTION	NOTES/ MARKETING MEETINGS
													6/6/2016 (9:00 - 9:30) (9:30 - 10:00) (3:00 - 3:30) (3:30 - 4:00)
12	437341-1	SR 435/KIRKMAN ROAD FROM NORTH OF SR 482 TO SOUTH OF SR 408	Storm Kazmierczak Efren Rivera Sarah Van Gundy	02/26/2016 05/24/2016	\$1,390,000	3.1	32	Orange	Heidi Trivett	Resurfacing	6/27/2016	Interview	MARKETING MEETING REQUEST 6/6/2016 (11:00 - 11:30) (11:30 - 12:00) (3:00 - 3:30) 6/8/2016 (3:00 - 3:30) (3:30 - 4:00) (4:00 - 4:30) (4:30 - 5:00) 6/16/2016 (1:00 - 1:30) (1:30 - 2:00) (2:00 - 2:30) (2:30 - 3:00) (3:00 - 3:30) (3:30 - 4:00) 6/20/2016 (10:00 - 10:30) (10:30 - 11:00) (11:00 - 11:30) (11:30 - 12:00) 6/21/2016 (1:00 - 1:30) (1:30 - 2:00) (2:00 - 2:30) (2:30 - 3:00)

Schedule Dictionary

Project Management / District 5 Consultant Project Management / Schedule Dictionary

Schedule Dictionary



Suzanne Phillips, P.E.

District Consultant Project Management Engineer

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CPM HOME

SCHEDULE
DICTIONARY

PRE-SPEC TO
LETTING

QUARTERLY QUALITY
FORUM MEETINGS


Search by Activity ID :



Search by Key Word:

Activity	Activity Name	Desc	Category	Predecessor Activities	Successor Activities	Links
971130	PD&E Pass the Torch Meeting / Begin CAP	Read	6- Project Initiation / Negotiations		-Stage I Scope Review -Public Involvement Assessment Meeting / Develop CAP	-Attendee List: PD&E Pass the Torch -PM Handbook (See Part 2, Chapter 3)
290010	Public Involvement Assessment Meeting / Develop CAP	Read	8- Stakeholder Coordination / Public Involvement	-PD&E Pass the Torch Meeting / Begin CAP	-Stage I Scope Review -Contact Local Agency	-PM Handbook (See Part 2, Chapter 3)
359040	Contact Local Agency	Read	8-Stakeholder Coordination/Public Involvement	-Public Involvement Assessment Meeting / Develop CAP	-Stage I Scope Review -Project Kickoff Meeting (for Resurfacing and Miscellaneous Projects)	

Public Meeting Guidelines



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ONE MISSION, ONE TEAM, ONE VOICE

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Project Manager Supervisor
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Ashraf Elmehrikby, P.E.
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Consultant Project Management

Public Meeting Guidelines

[FDOT Public Involvement Handbook](#)
->>Download the PDF version 

PROCESS

- [Public Meeting Kickoff and Agenda](#)
- [Selection of Public Information Meeting Site](#)
- [Selection of Public Information Meeting Time](#)
- [Communicating Schedule and Timing of the Public Meeting](#)
- [Determining Area of Influence for Direct Mail Invitations](#)
- [Roles and Responsibilities](#)

METHODOLOGY

- [Project Information Flyer](#)
- [Invitation Letters](#)
- [Newspaper Advertisement](#)
- [PowerPoint Presentation](#)
- [Review and Approval Process of Documents](#)
- [Advertisement for the Florida Administrative Weekly \(F.A.W.\)](#)
- [Use of CFL Roads](#)
- [Components for Public Hearings](#)

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Statewide DCPME's
-List of Consultant Project
Management Engineers

Spec Phase
-Pre-Spec to Letting


Computer Applications
-Resolution Tracking System
-OIS Enterprise Applications

Misc Information
-FDOT Acronym List
-Status of Permits
-PSU Weekly Report 2011-12
-D5 Bid Questions
-Instructions for Google Earth
With Plan Overlay

Project Photos
-Click here for the photo gallery
-COD
(Construction Observation Database)
Web Author: Cindy Feior
386-943-5221
 Cindy.Feior@dot.state.fl.us

http://d5web.d5.dot.state.fl.us/524/

Bid Q&A

 Bid Questions & Answers									
Home	FAQ	Help							
									Sign in
District 05 Proposal List									
Return to Home									
Showing items 1-63 of 63									
District	Proposal ID	Project #	Let Date	Contract Type	County	Description	Q&A Published	Location	
05	B5DPL		4/8/2016	CONST CONTRACT		The proposal is withdrawn from the bid letting	N	DISTRICT OFFICE	
View 05	E5T52	42927617209	2/2/2016	MAINT CONTRACT	BREVARD	DRAINAGE REPAIRS - ROUTINE MAINTENANCE	Y	DISTRICT OFFICE	
View 05	E5T53	42917317203	6/7/2016	MAINT CONTRACT	BREVARD	UNPAVED SHOULDER REPAIR - ROUTINE MAINTENANCE	Y	DISTRICT OFFICE	
View 05	E5T54-R0	24386287201	3/1/2016	MAINT ASSET MANAGEMENT	DIST/ST-WIDE	ASSET MANAGEMENT FOR I-95, 401, 407 & 528	Y	DISTRICT OFFICE	
View 05	E5T55	42798617210	3/1/2016	MAINT CONTRACT	VOLUSIA	DRAINAGE MAINTENANCE AND REPAIR - ROUTINE MAINTENANCE	Y	DISTRICT OFFICE	
View 05	E5T58	42927817203	2/2/2016	MAINT CONTRACT	LAKE	SR 44 Shoulder Rework	N	DISTRICT OFFICE	
View 05	E5T59	42795617213	3/1/2016	MAINT CONTRACT	LAKE	DISTRICT WIDE ROADWAY - ROUTINE MAINTENANCE	Y	DISTRICT OFFICE	

[illegible]

SmartBoard (Internal)



D5 Quality Forum



Florida Department of
TRANSPORTATION

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Project Management

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Quarterly Quality Forum Meetings



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[QUARTERLY QUALITY
FORUM MEETINGS](#)

District 5 Quarterly Quality Forum Meetings

Year	Meeting Dates and Downloads (zip files)
2008	01-09-08 02-18-08 04-09-08 07-10-08 10-08-08
2009	01-08-09 04-30-09 07-09-09 10-27-09
2010	01-14-10 04-08-10 07-08-10 (Cancelled) 10-13-10
2011	01-13-11 04-14-11 07-14-11 10-13-11
2012	02-01-12 04-12-12 07-12-12 10-18-12
2013	01-17-13 04-18-13 07-18-13 10-31-13
2014	04-10-14 07-10-14 10-09-14
2015	01/15/15 04/09/15 07/09/15 10/08/15
2016	01/14/16 04/13/16 07/14/16 10/13/16 (July and October meetings at Kepler Complex - Sailfish Room)

Note: To view the files, select save or save as when prompt.

Pre Spec To Letting

Pre-Spec Meeting to Letting



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**SCHEDULE
DICTIONARY**

**PRE-SPEC TO
LETTING**

**QUARTERLY QUALITY
FORUM MEETINGS**

- **Critical Dates Chart**

- District Let
- Tallahassee Let

- **Pre Spec Meeting**

- Pre Spec Agenda Information

- **Spec Package**

- Developmental Specs
- Guidance on Tech Spec versus Plan Detail

- **Spec Phase**

- Change Memo (District Five)
- Helpful Tips
- Project Managers Checklist
- QC/QA Checklist
- Revision Process
- Revisions (PPM Chapter 20)
- Change Memo versus Revision Memo Facts

CPM Internet

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CPM HOME **SCHEDULE DICTIONARY** **PRE-SPECTO LETTING** **QUARTERLY QUALITY FORUM MEETINGS**

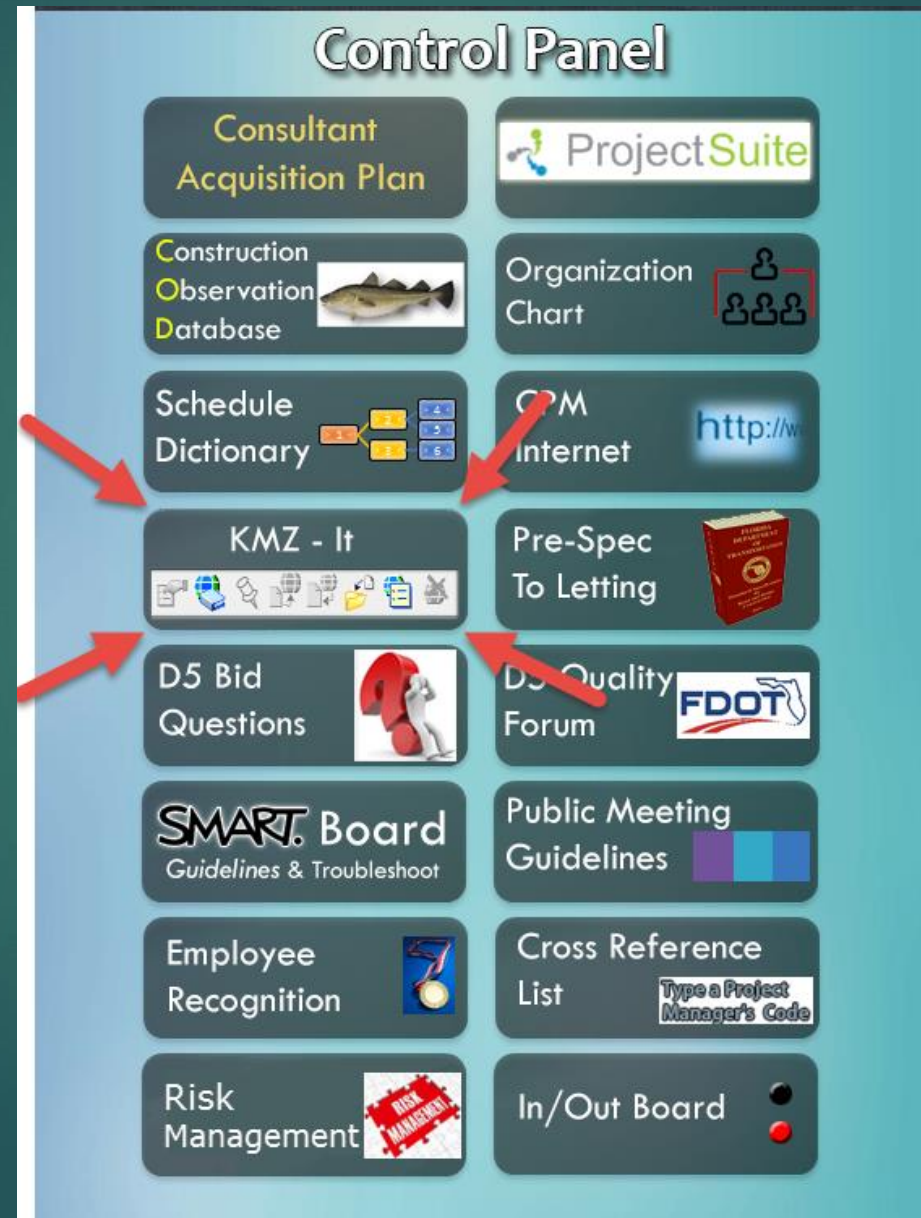
Files & Documents

- Forms
- Manuals & Guidelines
- Submittals
- Schedule Templates
- Regulatory Agencies
- Counties
- MPO/TPO
- Other Links
- Intranet (Employees only)

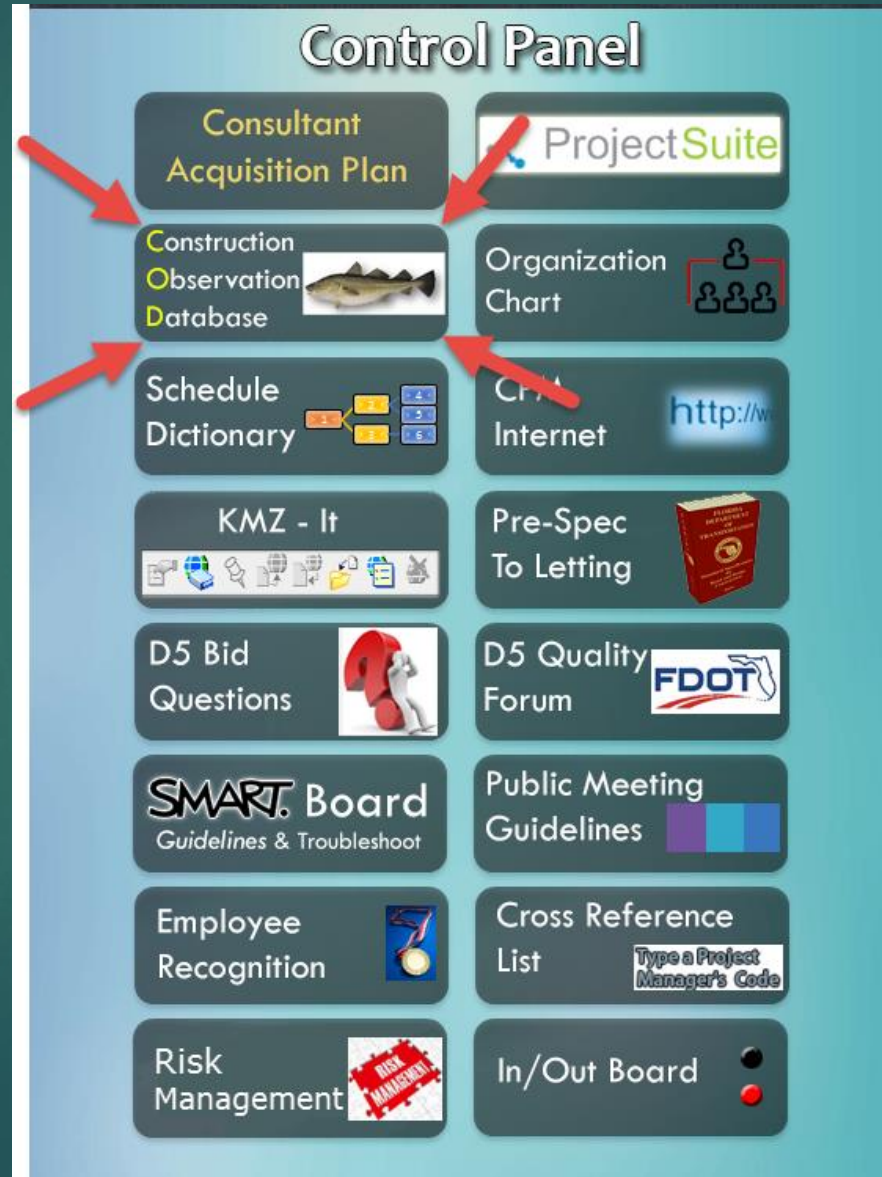
CFLRoads	Project Suite	Letting List	Acquisition Plan
CADD Downloads	Design Memos	Elected Officials	Letting Info
ERC	Org. Chart	Acronym List	List of Engineers
Permit Status		Contract Letting	

<http://www.dot.state.fl.us/projectmanagementoffice/Districts/D5/default.shtm>

KMZ-It



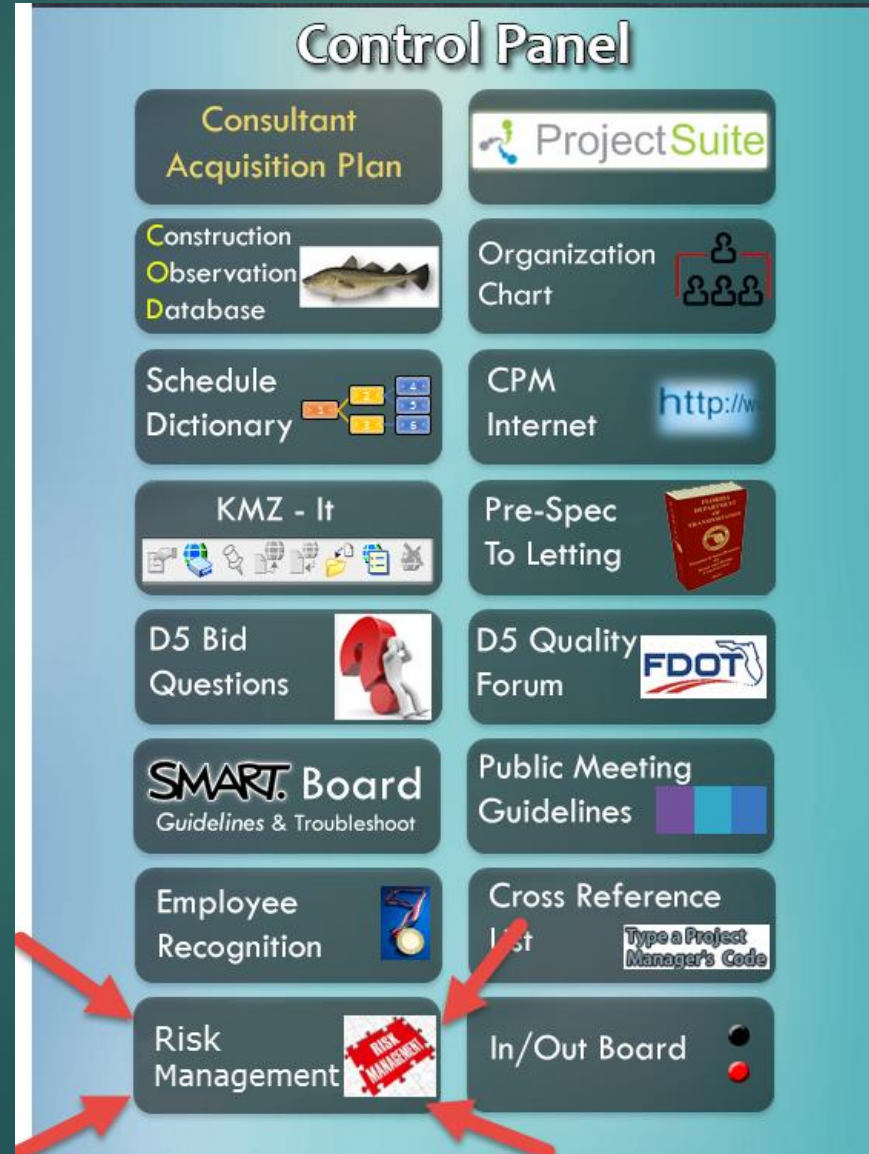
Construction Observation Database (COD)



Construction Observation Database (COD)

CLICK ON DESIRED CONSTRUCTION ACTIVITY		
Asphalt Overbuild	Gravity Walls	Roadway Base
Asphalt Paving - Friction	Guardrail	Roadway Milling
Asphalt Paving - Structural	ITS Fiber Optic Cables	Sheet Piling
Beam Placement	Jack & Bore	Sidewalk
Bridge Deck	Lighting	Signals
Bridge Fender Repair	Manhole Valve Adjustments	Sound Wall
Cathodic Protection	Mast Arms	Span Wire
Concrete Paving/Slab Replacement	MSE (Mechanically Stabilized Earth) Wall	Spread Footer
Curb and Gutter	Pavement Markings and Striping	Steel Welding
Curb Ramp / Detectable Warning	Pavement Widening	Strain Poles
Dewatering	Pedestrian Pole	Surcharge Monitoring
Directional Bore	Pile Driving	Traffic Separator
Drainage Structures	Pipe Desilting	Trench Boxing
Drilled Shaft	Pipe Repair	Utility Work-Vault, Duct Bank
Earthwork	Pipe Video	Wildlife Shelves
French Drain	Ponds	
ALL PROJECTS		

Risk Management





CRA Regional Teams
Cost Risk Analysis Regional Teams site

Home Estimates Specifications Final Plans Product Evaluation Utilities Local Programs Production Management Work Program

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Announcements

There are currently no active announcements.

Links

There are currently no favorite links to display.

Shared Documents

<input type="checkbox"/>	Type	Name
<input type="checkbox"/>		FDOT Risk Self Modeling Tracking Tool
<input type="checkbox"/>		FDOT Risk Tracking Tool User-Training Manual_Feb 6 2012
<input type="checkbox"/>		Risk Analysis Self Modeling Tool Webinar Training - March 2016
<input type="checkbox"/>		Risk Self Modeling Training - Mar-2-4 2015



FDOT Risk Self Modeling Tracking Tool



FDOT Risk Tracking Tool User-Training Manual_Feb 6 2012



Risk Analysis Self Modeling Tool Webinar Training - March 2016



Risk Self Modeling Training - Mar-2-4 2015



A VIDEO CONFERENCE CALL IN REAL LIFE

BROUGHT TO YOU BY
zoom

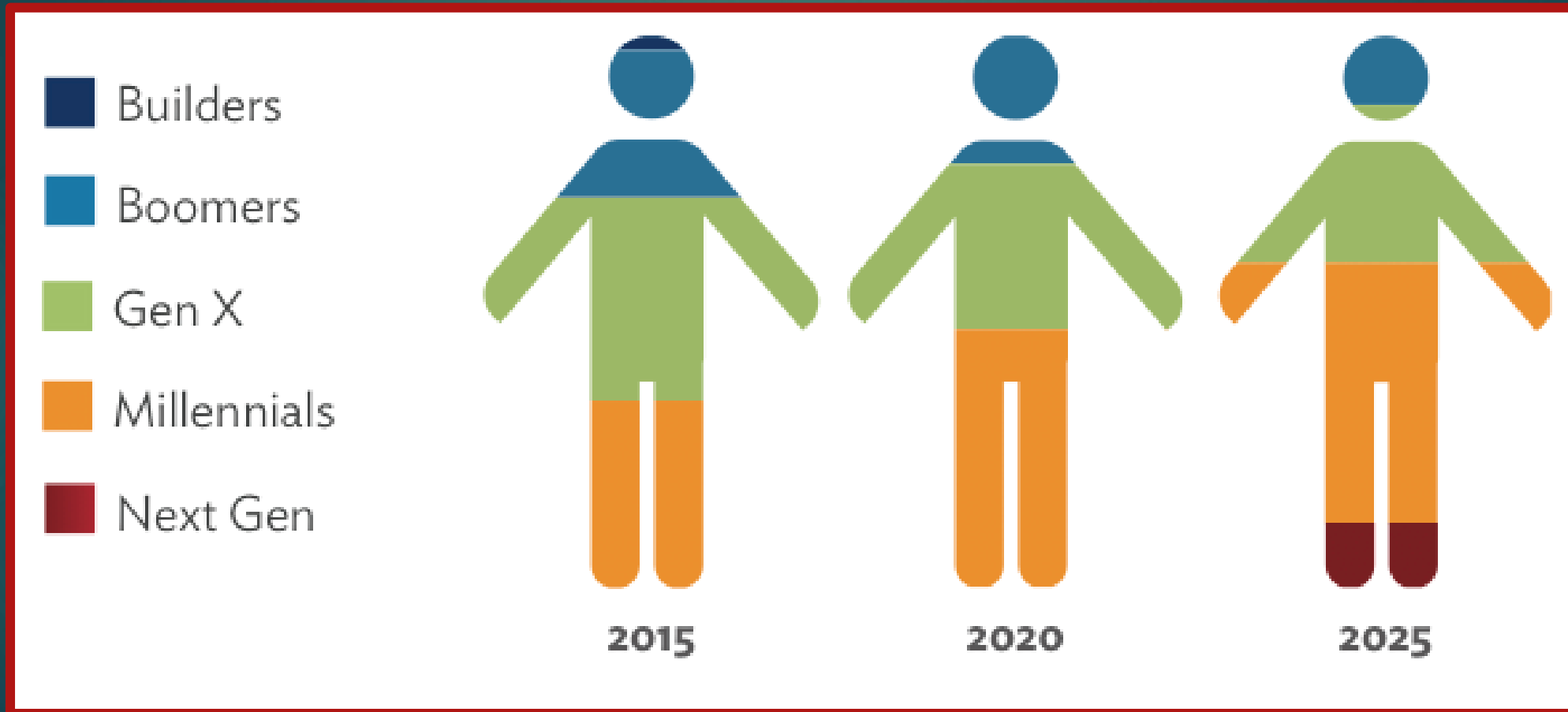
SUBSCRIBE TO
TRIPP
TYLER

▶ ⏮ 🔊 0:36 / 3:24



<https://www.youtube.com/watch?v=JM0OG7rWTPg>

Workforce by generations



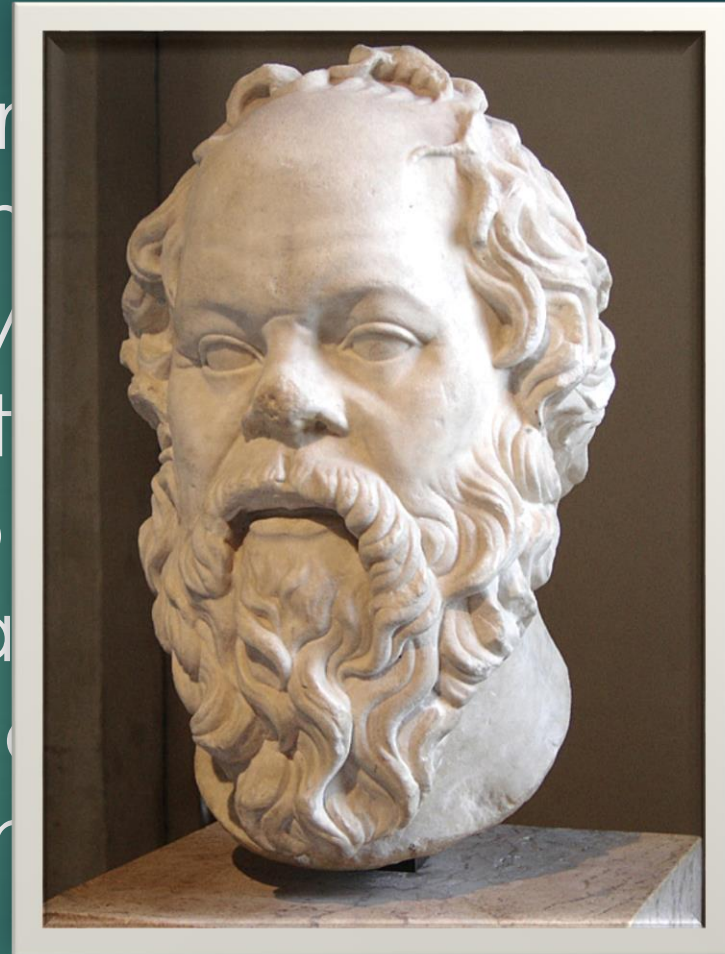
A final thought

“The children now love luxury; they have bad manners, contempt for authority; they show disrespect for elders and love chatter in place of exercise. Children are now tyrants, not the servants of their households. They no longer rise when elders enter the room. They contradict their parents, chatter before company, gobble up dainties at the table, cross their legs, and tyrannize their teachers.”

WHO SAID THIS?

A final thought

“The children now love luxury, have lost all shame of wantonness, have become effeminate, and have contempt for authority. They are disrespectful for elders and love to quarrel with their superiors. They are without exercise. Children are now tyrants of their households. They no longer enter the room of their fathers. They contradict before company, go to the table, cross their legs, and are disrespectful to their teachers.”



e of
vants
elders
at

SOCRATES

2500 years ago.... Not quite a new concept

